Electrical safety

Objectives
- Standardize the approach to safe ways of working in an electrical environment (hot job conditions)
- Gain an understanding of and convey safe work practices at ABB facilities or project or customers' sites
- Highlight the importance of adopting standard tools and equipment
- Ensure that all persons in charge of the work activity can identify situations where special assistance is required and how to implement appropriate action

Audience
This course is intended as mandatory program for all employees who works with electricity and for the person who is in immediate and direct charge of the work which is about to be done or is being done and of the people who are about to work or are working on an apparatus.

Course topics
- Course Objectives
- The Electrical Safety Rules
- Electrical Incidents and Common Themes and a Way Forward
- PICW Definitions and Defining Electrical Competency
- PICW – Assignment of Roles and Responsibilities
- Planning and Preparation – Risk Assessment/JHA/Method Statement
  - 7 Steps to Safety
  - Voltage Detectors – Ratings, Calibrations, etc.
  - L.O.T.O, Group LOTO, Earthing/Grounding
  - Standardized permit to work (PTW) and PTW process
  - Hazards of Electricity (Shock, Arc Flash, Arc Blast) Arc Flash - Burns
  - Insulated PPE and Arc-Flash Workwear/PPE
  - New Arc Flash Clothing and PPE Matrix – Application of the Matrix
  - HV and MV switching and switching scenarios and plans/Isolation and Control/Clearances/Industrial and Utility environments
  - Single line diagrams, drawings, schematics, and safety signs/barricades
  - Exercise One and Exercise Two (Practical exercises with single line/PTW/ID back- feeds/Multi-Feeders/Complex Switchgear)
**Date and Location**

- **Date:**
  
  Call 1: April 2\(^{nd}\) – 3\(^{rd}\)  
  Call 2: June 1\(^{st}\) – 2\(^{nd}\)  
  Call 3: October 5\(^{th}\) – 6\(^{th}\)

- **Class time:** 08h30 - 14h30

- **Location:**

  ABB Power Products & Systems India Ltd  
  Maneja, Vadodara  
  390013 - Gujarat  
  India

**Price**

980 $ per person

**Registration**

Register here: madrid.abbuniversity@es.abb.com

Please register before

  Call 1: March 19\(^{th}\)  
  Call 2: May 18\(^{th}\)  
  Call 3: September 21\(^{st}\)

**Contact us**

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**For more information**